

Programming Projects

Automated Chicken Coop

Designed a drop-down door that would automatically open during the day and allow chickens to access a larger portion of their coop. It was operated using a pulley attached to a motor and was programmed using a Raspberry Pi running a Python script. It was controlled remotely from your phone.

Lego Motors

Built fully functional Lego motors including V6 and V8 models, and used a Raspberry Pi to control a servo motor's rpm and create graphs to measure max rpm before failure.